

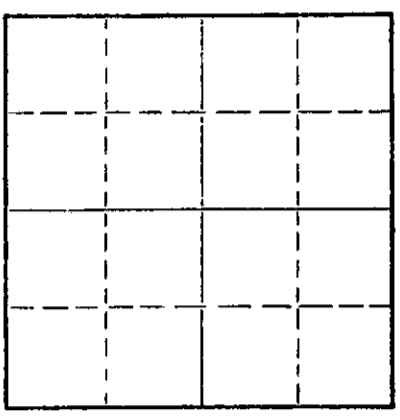
WELL PLUGGING RECORD

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
211 No. Broadway  
Wichita, Kansas

Saline County. Sec. 2 Twp. 16 Rge. 4 (E) W (W)

Location as "NE/CNW&SW%" or footage from lines NW SW SE  
Lease Owner Ray Peretra  
Lease Name Sandberg Well No. 2  
Office Address McPherson, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) \_\_\_\_\_  
Date well completed \_\_\_\_\_ 19\_\_\_\_  
Application for plugging filed \_\_\_\_\_ 19\_\_\_\_  
Application for plugging approved \_\_\_\_\_ 19\_\_\_\_  
Plugging commenced 8-15-63 \_\_\_\_\_ 19\_\_\_\_  
Plugging completed 8-19-63 \_\_\_\_\_ 19\_\_\_\_  
Reason for abandonment of well or producing formation Depleted.

NORTH



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production \_\_\_\_\_ 19\_\_\_\_  
Was permission obtained from the Conservation Division or its agents before plugging was commenced? yes

Name of Conservation Agent who supervised plugging of this well Gilbert Toman  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 3448 Feet  
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				8-5/8"	315'	None
				4-1/2"	3446'	1010'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from \_\_\_\_\_ feet to \_\_\_\_\_ feet for each plug set.

Checked hole to bridge @ 1180', pulled 4 1/2" casing, bailed fluid from 150' to 300', set rock bridge to 285' and ran 15 sacks of cement @ 285'. Mudded to 25', set rock bridge to 15' and ran 5 sacks of cement to base of cellar.

RECEIVED  
STATE CORPORATION COMMISSION

OCT 24 1963

PLUGGING COMPLETE.

CONSERVATION DIVISION  
Wichita, Kansas

Name of Plugging Contractor KNIGHT CASING PULLING COMPANY  
Address CHASE, KANSAS

STATE OF KANSAS COUNTY OF RICE, ss.  
Noel J. Knight (employee of owner) or ~~owner or operator~~ of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) Noel J. Knight  
Chase, Kansas  
(Address)

SUBSCRIBED AND SWORN TO before me this 24th day of August, 1963

May 20, 1964

Milton J. Volin  
Notary Public.

RAY PEREIRA

15-169-00952-0000

Company: Franco Central Oil et al  
 Farm: Sandberg #2  
 Comm: May 22, 1952  
 Comp: June 12, 1952  
 Contractor: Penguin Petroleum, Inc.

Sec. 2, T 16, R 4  
 NW SW SE  
 Saline County, Kansas  
 Size Hole: 7 7/8"  
 Drill Pipe: 4 1/2"  
 Pump: 6 3/4 x 12"  
 E 1338 KB (Low Point)

DRILLING TIME LOG

Depth	Time Ending	Actual Time (5' Interval)	Remarks
315	7:05	(starting)	Bit #1 - R.R. O.W.S. 3 hrs. 35 min.
315-350	8:03	9-8-7-8-5-7-7	320 Conn. & grease swivel. 7 min. Ind 20,000; RPM 1600 P.P. 250#
-400	9:53	7-4-6-8-8-8-20-15-17-10	350 Conn. 4 min.
-450	12:03	6-7-7-15-15-20-12-15-7-7	380 Conn. 5 min. 415 Conn. 5 min.
-500	3:25	18-7-36-18-12-10-20-25-25-25	445 Conn. & grease rig. 14 min. Ind 21,000; RPM 1500 P.P. 375#
-550	8:10	12-18-16-13-16-16-8-34-13-12	470 Conn. 6 min. 500 Conn. 8 min. 530 Conn. & slope test. very tight conn. 49 min.
-600	10:00	12-12-7-7-6-6-5-5-10-25	540 Trip Bit #2 O.W.S. RR 1 hr. 10 min.
-650	11:33	15-11-10-9-6-8-6-10-6-7	560 Conn. 4 min. 590 Conn. 11 min.
-700	1:38	13-9-9-15-14-13-8-12-10-12	620 Conn. 5 min.
-750	3:36	12-5-5-3-11-18-9-10-7-26	650 Conn. 4 min. 680 Conn. 6 min. 710 Conn. 5 min. Ind 22,000; RPM 1600 P.P. 400#
-800	5:54	5-9-10-10-10-10-11-11-10-11-10	740 Conn. 5 min. 770 Trip Bit #3 E.M. 41 min. Ind 24,000; RPM 1500 P.P. 400#
-850	7:44	11-11-10-10-11-11-11-8-8-10	800 Conn. 4 min.
-900	10:18	21-11-20-12-12-10-16-11-10-9	830 Conn. 5 min. 860 Conn. 5 min. 890 Conn. & redope Kelley hose union & grease swivel. 12 min. Ind 27,000; RPM 1500 P.P. 400#
-950	12:25	12-10-18-9-8-14-15-10-10-10	920 Conn. 4 min. 930 Service rig. 7 min. 950 Greased swivel, Conn. 7 min.
-1000	2:53	11-17-18-18-11-13-14-11-10-12	980 Conn. 6 min.
1000-1050	5:14	21-13-12-13-13-12-10-13-8-9	1005 Slope test & Conn. OK. 11 min. Ind 28,000; RPM 1500 P.P. 450#
-1100	7:57	15-19-19-10-10-23-7-10-12-10	1035 Conn. 6 min. 1065 Conn. 18 min. 1095 Service rig. & Conn. 20 min.
-1150	10:57	17-13-10-11-12-22-19-22-14-17	1100 Pump. 23 min.
-1200	1:54	23-4-4-4-4-6-6-6-5-5	1125 Conn. 6 min. 1155 Trip Bit #4 T-Reed. & Conn. 1 hr. 20 min.
-1250	3:01	6-4-6-5-7-5-9-9-6-5-4	1185 Put on new Kelley Sub & Conn. 20 min. 1215 Conn. 5 min. Ind 30,000; RPM 1500 P.P. 500# 1245 Conn. 5 min.

Depth	Time Ending	Actual Time (5' Interval)	Remarks
1250-1300	3:51	3-5-4-3-3-4-5-7-5-7	1275 Conn. 4 min.
-1350	5:05	4-6-5-4-5-10-9-6-8-5	1305 Conn. 8 min. Ind 3200g RPM 1300 P.P. 350#
-1400	6:01	5-4-4-4-10-4-5-3-3-5	1335 Conn. 4 min. 1365 Conn. 5 min. Ind 3400g RPM 1300 P.P. 350# Losing mud.
-1450	7:09	4-6-4-9-5-8-7-7-7-6	1395 Conn. 4 min. 1425 Conn. 5 min. Mixing mud & hulls.
-1500	10:20	7-23-10-11-11-15-17-6-6-8	1455 Conn. & mixing mud. 15 min. 1465 Mixing mud. 31 min. 1485 Conn. & slope test OK. 28 min. Ind 3600g RPM 1300 P.P. 250#
-1550	1:42	5-7-4-10-10-10-10-10-8-10	1515 Conn. 6 min. 1530 Pumping water, Conn. & mixing mud. 43 min.
-1600	10:53	5-10-13-10-12-17-9-10-8	1565 Still losing mud. & pumping water. 1 hr. 10 min. 1575 Lost circulation 1575' Run 600' of 7" Bit #5 O.W.S. 1590 Conn. & mixing mud. 27 min.
-1650	1:03	15-9-11-11-10-12-12-11-13-9	1620 Conn. very tight and bad conn. 17 min. 1650 Conn. 10 min. 1680 Conn. 8 min. 1685 Pump and finished mud. 19 min.
-1700	3:33	5-7-9-12-13-10-13-11-10-13	1690 Pump. 10 min. 1710 Conn. & go through pump. 29 min. Ind 3400g RPM 1200 P.P. 350#
-1750	6:47	13-18-15-12-13-11-17-21-17-19	1735 Conn. 9 min. 1765 Conn. 7 min. 1795 Conn. 6 min. Ind 3600g RPM 1200 PP 350#
-1800	9:45	12-10-10-10-10-9-11-11-12-10	1825 Conn. 6 min. Ind 3700g RPM 1200 PP 350#
-1850	12:15	22-17-16-23-16-17-16-16-22-29	1845 Grease rig. & Trip Bit #6 O.W.S. 1 hr. 15min
-1900	4:50	19-19-19-22-16-24-17-15-15-20	1850 Conn. 5 min. 1855 Conn. 6 min. Ind 3800g RPM 1500 P.P. 200# Vis 32, wt 9.4
-1950	8:50	20-20-15-23-20-20-10-10-50-25	1885 Conn. 8 min. & mixing mud. 1915 Conn. 7 min. Finish mixing mud. Ind 40,000; RPM 1200 Dri 20,000; P.P. 400#
-2000	3:05	25-25-30-20-25-31-31-10-27-27	1945 Conn. & service rig. 20 min. mixing mud. 1950 Pump. 10 min. 1975 Conn. 14 min. 1980 Trip Bit #7 O.W.S. 1 hr. 40 min.

Depth	Time Ending	Actual Time (5' Interval)	Remarks
2000-2050	8:10	31-35-34-23-35-24-9-21-32-23	2005 Conn. 9 min. and greas up. Ind 40,000; RPM 1200 P.P. 400# Vis 34, wt 9.1 $\frac{1}{2}$
			2035 Conn. & slope test ok. 29 min.
-2100	3:35	32-27-21-35-35-33-44-13-55-20	2060 Conn. 5 min. Ind 42,000; RPM 1200 P.P. 400# Vis 35, wt 9.4
			2090 Conn. & grease rig. 14 min.
			2095 Trip Bit #8 O.W.S. 2 hrs.
			2100 Going through pump. 8 min.
-2150	6:13	15-17-20-14-11-14-14-11-10-10	2120 Conn. & rig. 14 min. Vis 34, wt 9.4 Ind 42,000; RPM 1200 P.P. 450#
			2150 Conn. 5 min.
-2200	8:40	7-8-8-8-10-12-12-14-18-19	2180 Conn. 6 min.
			2185 Rigg, jetted. 20 min.
-2250	11:55	16-19-15-17-18-18-17-23-20-20	2210 Conn. & pump. 10 min.
			2235 Conn. & mixing mud. 7 min.
		(1' Interval)	
2250-2260	12:29	3-5-3-3-4-4-3-3-3-3	2252 Finish muc. Ind 44,000; RPM 1200# P.P. 500#
-2270	1:06	4-4-3-3-3-3-2-3-3	2265 Conn. 6 min. Vis 35, wt 9.4
-2280	1:32	3-2-2-3-3-3-2-3-2	
-2290	1:58	3-2-3-3-2-2-3-3-2-3	
-2300	2:27	2-3-2-3-2-2-3-2-2-3	
2300-2310	3:02	3-2-2-3-5-4-4-5-4-3	2295 Conn. 5 min.
-2320	3:47	5-4-4-7-7-4-3-3-3-5	
-2330	4:49	6-7-6-6-5-5-5-3-4-4	2329 Conn. & check rig. 11 min. Ind 45,000; RPM 1100 P.P. 400#; mixing mud.
-2340	6:03	5-4-4-7-10-11-9-4-10-10	
-2350	7:08	12-10-7-4-4-5-3-6-6-8	
-2360	8:43	9-10-10-9-10-10-11-8-6-6	2358 Conn. 6 min. Vis 34, wt 9.4 Ind 46,000; RPM 1100 P.P. 400#
-2370	10:23	5-10-12-14-14-10-9-9-8-9	2370 Trip Bit #9 W-7-R. 2 hrs. 32 min. Ind 47,000; RPM 1150 P.P. 550#
-2380	1:42	6-6-7-6-7-3-3-3-4-2	
-2390	2:18	2-2-3-4-4-4-4-3-3-2	2388 Conn. 5 min. Vis 34, wt 9.3
-2400	2:40	2-2-3-2-2-2-2-3-2-2	
2400-2410	3:12	3-3-3-3-2-3-4-5-3-3	
-2420	4:07	7-9-6-3-3-3-5-4-3-4	2418 Conn. 8 min.
-2430	4:49 $\frac{1}{2}$	3-4-4-9-9-6-3-3-1- $\frac{1}{2}$	
-2440	5:10	$\frac{1}{2}$ -3-4-2-4-3-1-1-1-1	
-2450	5:40	2- $\frac{1}{2}$ -4-3-1- $\frac{1}{2}$ -1-3-2-5	2448 Conn. 8 min. Vis 34, wt 9.6
-2460	6:12	4-1-3-3-2-4-4-3-4-4	
-2470	7:31	3-5-7-8-17-10-6-3-3-10	2464 Service rig. 7 min.
-2480	9:15	10-10-4-4-6-5-6-8-9-12	2475 Conn. & service rig. 30 min. Mixing mud.
-2490	11:25	12-19-8-9-22-13-17-7-16-7	2490 Trip Bit #10 O.W.S. & put on new bit. 3 hrs. 44 min.
-2500	4:00	8-6-6-4-3-6-4-4-5-5-	

Depth	Time Ending	Actual Time (1' Interval)	Remarks
2500-2510	5:42	7-6-8-8-8-5-7-7-6-6	2507 Conn. & check rig. & slope test ok. 34 min. Ind 48,000; RPM 1050 P.P. 500#
-2520	6:55	8-7-6-8-8-8-7-7-7-7	2520 Ind 48,000; RPM 1050 P.P. 500#
-2530	7:49	6-7-7-8-7-5-5-3-3-3	2534 Vis 37, wt 9.7
-2540	8:44	3-3-3-7-7-5-4-4-6-7	2536 Conn. 6 min.
-2550	9:28	8-7-6-6-6-3-2-2-2	2560 Vis 37, wt 9.7
-2560	10:37	4-5-5-5-8-10-10-8-5-9	2565 Conn. 4 min.
-2570	12:05	11-11-10-8-5-6-11-10-7-5	2567 Grease rig. 6 min. Ind 48,000; RPM 1100 P.P. 500#
-2580	1:13	5-5-6-6-7-6-5-8-9-11	
-2590	2:53	12-10-10-10-10-10-9-10-9-10	2595 Conn. 7 min.
-2600	4:15	7-4-6-10-10-7-8-8-8-7	2608 Rig & going through pump. 7 min. Vis 36, wt 9.7
2600-2610	5:50	6-7-10-10-10-10-10-10-8-7	2612 Trip Bit #11 O.W.S. & service rig. 2 hrs. 43 min.
-2620	9:37	12-13-5-6-4-3-6-6-5-4	
-2630	10:52	3-4-4-4-4-4-4-7-6-7	2625 Jetted pit & Conn. Mixing mud. 29 min.
-2640	11:54	6-7-6-6-6-7-5-5-7-7	2635 Finished mud. Vis 35, wt 9.4
-2650	12:57	7-6-6-5-4-5-7-8-6-8	
-2660	1:33	7-2-2-2-2-3-3-3-4-3	2655 Conn. 5 min. Ind 50,000; RPM 1100 P.P. 500# Vis 36, wt 9.3
-2670	2:19	4-5-3-5-5-5-5-5-5-4	
-2680	3:02	6-7-5-5-5-4-3-3-2-3	2680 Conn. 4 min.
-2690	3:40	3-3-3-3-3-3-3-4-4-5	
-2700	4:31	5-4-4-5-5-5-6-6-5-6	
2700-2710	5:46	6-7-7-6-5-5-6-8-8-8	2707 Grease up. 9 min. Vis 34, wt 9.7
-2720	6:57	8-7-6-5-6-7-7-6-8-6	2714 Conn. 5 min. Mixing mud.
-2730	7:46	5-5-4-4-2-3-6-7-6-7	
-2740	8:56	5-5-5-5-5-5-5-12-14-9	2733 Finish mixing mud.
-2750	10:03	7-6-6-6-6-7-7-8-5-4	2743 Conn. 5 min. Ind 52,000; RPM 1100 P.P. 500# Vis 36, wt 9.7
-2760	11:07	6-4-4-3-4-5-9-9-10-10	
-2770	12:08	10-13-5-4-4-4-3-3-3-3	2762 Service rig. 9 min. 2770 Conn. 5 min.
-2780	1:02	4-5-5-5-5-5-5-4-5-6	
-2790	2:02	5-5-6-10-7-6-6-4-6-5	
-2800	3:12	6-6-11-10-7-6-6-9-5-4	
-2810	4:13	6-4-4-4-5-7-7-8-5-6	2804 Conn. 5 min.
-2820	6:57	6-10-5-5-7-8-3-3-3-3	2812 Trip Bit #12 O.W.S. 1 hr. 51 min.
-2830	7:37	4-7-4-3-3-4-4-3-4-4	2830 Conn. & rig. 12 min. Ind 53,000; RPM 1000 P.P. 500#
-2840	8:30	3-3-4-4-5-5-7-4-3-3	
-2850	9:03	2-2-2-3-3-3-4-4-4-6	2847 Vis 36, wt 9.6
-2860	9:49	5-3-3-4-4-5-5-5-5-7	2857 Mixing mud. 2860 Conn. 6 min.
-2870	10:38	5-5-5-4-3-3-4-4-4-4	
-2880	11:25	5-4-5-4-4-4-5-5-5-6	
-2890	12:13	5-5-5-5-5-5-5-5-4-4	2890 Conn. 9 min.
-2900	1:09	5-3-5-5-5-4-4-6-5-5	
2900-2910	1:58	6-5-4-5-5-4-4-4-6-6	
-2920	2:40	6-5-5-4-4-4-4-3-4-2	2920 Conn. 5 min.
-2930	3:24	4-4-2-3-4-4-5-6-4-3	
-2940	4:06	3-3-3-4-5-4-3-3-3-3	
-2950	5:01	4-5-4-3-6-5-7-6-3-2	2932 Grease up. 8 min.

Depth	Time Ending	Actual Time (1' Interval)	Remarks
2950-2960	6:15	6-6-6-7-7-8-7-7-8-7	2952 Conn. 5 min. Ind 52,000; RPM 1000 P.P. 500#
-2970	7:14	9-8-7-7-6-6-6-5-3-2	
-2980	7:41	2-3-4-4-1-3-2-3-2-3	
-2990	8:27	4-2-4-6-4-4-5-4-4-3	2982 Conn. 6 min. Ind 53,000; RPM 1000 P.P. 500#
-3000	8:55	5-3-3-3-3-4-2-2-1-2	
3000-3010	10:02	3-3-6-7-7-10-7-10-4-10	3010 Vis 38, wt 9.8
-3020	2:49	15-15-9-10-11-11-9-8-	3012 Trip Bit #13 W7R R.R. & slope test ok., pump & rotary clutch. 3 hrs. 10 min.
-3030	4:03	2-3-3-10-10-11-9-8-11-7	
-3040	5:23	8-8-6-7-6-7-9-10-10-9	3038 Vis 37, wt 9.6
-3050	8:40	11-10-13-12-12-13-15-12-12-8	3042 Conn. & go through pump. 41 min.
			3047 Rigg, jetted. 38 min. & mixing mud.
-3060	10:00	6-11-6-6-5-11-12-9-7-7	3060 Trip Bit #14 W-7R 2 hrs. 20 min. Vis 37, wt 9.6
-3070	12:49	5-3-3-2-3-4-3-2-2-2	3070 Conn. 13 min.
-3080	1:18	2-1-1-1-1-2-2-2-2-2	
-3090	1:45	2-2-2-1-1-2-3 10-3-2	
-3100	3:01	2-4-12-11-9-10-8-7-6-7	3094 Vis 35, wt 9.5
3100-3110	4:40	6-12-13-12-5-4-3-7-10-13	3102 Conn. & grease rig. 14 min. Ind 56,000; RPM 1000 P.P. 500#
-3120	5:35	10-7-6-4-5-4-5-7-4-3	
-3130	6:33	4-5-4-8-6-5-3-8-7-8	
-3140	8:16	7-6-5-9-7-9-10-12-12-13	3131 Conn. & rig. 13 min.
-3150	12:33	15-8-14-10-10-5-4-6-5-9	3141 Trip Bit #15 W-7R 2 hrs. 37 min.
			3144 Pump & grease rig. 14 min. Ind 58,000; RPM 1100 P.P. 600# Vis 35, wt 9.5
-3160	2:52	7-10-10-12-18-19-16-17-16-14	3157 Mixing mud.
-3170	4:44	8-11-15-7-5-12-12-12-16-14	3161 Conn. 9 min. Vis 36, wt 9.6
-3180	9:26	11-10-5-9-15-19-11-9-8-8	3172 Pump. 34 min.
			3176 Trip Bit #16 O.W.S. 2 hrs. 25 min. Ind 59,000; RPM 1100 P.P. 600#
-3190	11:14	6-8-9-11-15-10-10-14-14-11	3182 Vis 37, wt 9.7
-3200	1:08	8-10-6-8-10-9-13-15-10-15	3192 Conn. 6 min.
3200-3210	3:20	13-13-13-12-15-15-14-13-14-16	3208 Vis 36, wt 9.5
-3220	5:13	13-13-12-11-11-10-9-9-8-7	3211 Check rig. 10 min.
-3230	6:32	6-5-10-9-9-8-9-6-6-6	3221 Conn. 6 min. Ind 58,000; RPM 1100 P.P. 600#
-3240	7:32	6-7-7-7-5-5-5-6-6-6	
-3250	8:24	6-6-5-5-6-5-5-5-5-4	3250 Conn. 5 min. Ind 59,000; RPM 1100 P.P. 600#
-3260	9:20	5-5-5-6-9-5-4-4-4-4	
-3270	10:10	5-5-5-5-4-5-6-5-5-5	3262 Vis 37, wt 9.8
-3280	2:00	5-7-5-6-7-6-6-8-6-6	3271 Trip Bit #17 O.W.S. 2 hrs. 48 min. Ind 60,000; RPM 1150 Dri 35,000; P.P. 600#
-3290	3:05	6-5-6-6-5-6-6-7-5-5	3281 Conn. 8 min. Vis 37, wt 9.6
-3300	4:55	6-5-5-6-5-5-6-5-7-6	3291 Working on pump, losing mud. 54 min. Ind 60,000; RPM 1000 Dri 35,000; P.P. 550#
			3297 Still losing mud.

Depth	Time Ending	Actual Time (1' Interval)	Remarks
3300-3310	5:49	5-6-6-5-6-5-6-5-5-5	3306 Started getting full returns back on mud.
-3320	6:48	5-5-5-5-4-5-5-6-6-7	3311 Conn. 6 min. Ind 60,000; RPM 1000 Dri 35,000; P.P. 600#
-3330	7:38	6-5-4-5-4-5-5-5-6-5	3330 Service rig. 20 min.
-3340	8:42	4-3-3-4-5-5-5-5-5-5	3340 Conn. 8 min. Ind 61,000; RPM 1000 P.P. 550# Wt 9.6 Vis 34.
-3350	9:37	5-4-4-4-4-5-4-5-6-6	3348 Mixing mud.
-3360	10:29	5-6-4-5-5-5-5-6-5-6	
-3370	11:21	5-6-5-5-5-5-4-4-4-4	3365 Conn. 5 min.
-3380	12:08	4-5-4-5-4-5-5-5-5-5	
-3390	1:11	5-6-6-6-6-8-6-7-7-6	
-3400	2:17	6-7-7-6-6-6-6-5-7-6	3395 Conn. 4 min. Ind 62,000; RPM 1100 P.P. 600#
3400-3410	3:25	5-6-6-7-7-7-8-7-6-8	3404 Vis 48, wt 9.5
-3420	4:48	7-7-8-8-7-7-8-8-7-9	3418 Grease up. 7 min. Ind 62,000; RPM 1000 P.P. 600#
-3430	5:58	8-7-7-6-6-7-6-6-6-5	3428 Conn. 6 min.
-3440	6:59	6-6-5-6-6-6-7-6-7-6	3435 Vis 38, wt 9.6
-3448	7:50	7-6-7-7-6-6-5-7	3448 Vis 36, wt 9.3 Circulate for samples 1½ hr. wait on Schlumberger.